

EXHAUST TREATMENT DEVICE, AND METHODS
OF MAKING THE SAME

ABSTRACT

[0074] An exhaust treatment device, comprises a substrate; a catalyst layer deposited on the substrate, the catalyst layer comprising a first catalyst metal and a second catalyst metal, wherein greater than or equal to about 70 wt% of the first catalyst metal and the second catalyst metal is non-alloyed under alloying conditions, wherein the weight percent is based on a combined weight of the first catalyst metal and the second catalyst metal. The first catalyst metal and the second catalyst metal are different and may be individually selected from the group consisting of platinum, palladium, rhodium, rhenium, iridium, ruthenium, and osmium.